INSTRUCTIONS
FORM F11b
FUGITIVE DUST-STORAGE PILES

Department of Environmental Quality
Division of Air Quality
150 N. 1950 W.
Salt Lake City, UT 84116
Telephone (801) 536-4000

DAQ ID	For Office use only.
Pt. Source ID	Provide the identification number the company associates with the process.
SCC	Enter the appropriate Source Classification Code (SCC). *See page 16 of the General Instruction for explanation.*
Type of Material Stored	List the type of material stored. For example, stone, gravel, clay, gypsum, coal, etc.
Avg. Amount Stored	Enter the average storage pile quantity being stockpiled. List the value in tons per year.
Stockpile size	Describe the stockpile size in acres.
Annual Thru-put	List the total amount of material stored in each storage pile in tons per year.
% Moisture	List the average moisture content of material stored in the storage pile.
% silt	Provide the percent silt content of the stored material.
Wind Speed	Provide wind speed in miles per hour.
Control Method Code	Code the control method used to reduce dust emissions: 000 None 061 Water emissions spray. 062 Chemical suppression Refer to Table 5 on page 19 in the General Instructions for additional control codes if needed.
% Control Efficiency	Provide the percent effectiveness of the control measure.
Emissions	Calculate the quantity for each pollutant accounting for any control, where appropriate, in tons per year. Report emissions rounded to nearest hundredth. **Provide complete calculations on a separate sheet.** *See page 14 of the General Instructions for information on completing calculations.*
Estimate Code	Provide the method code for quantifying actual emissions of each pollutant. The valid method codes are listed in Table 6, page 25 of the General Instructions. If estimate code **8** (EPA Emission Factor) is used, also include the specific AP-42 section used in the Comments field.
Emission Factor	Provide the emission factors used in the calculations for each

pollutant. *See page 16 of the General Instructions for information on emissions factors.*

Units — Appropriate units associated with the emission factor.

Suggested Equation

The estimate code is **8** when using the following equation.

$$\text{E.F.} = k(0.0032)\frac{\left(\frac{u}{5}\right)^{1.3}}{\left(\frac{M}{2}\right)^{1.4}}$$

Where:

E.F.	=	Emission Factor (lbs/ton)
k	=	Particle size multiplier ($PM_{2.5}$: 0.053 and PM_{10}: 0.35)
U	=	Mean wind speed (mph)
M	=	Material moisture content (%, enter as percent not decimal)

See AP-42, Section 13.2.4-3. AP-42 can be downloaded from EPA's website: www.epa.gov/ttn/chief/ap42/index.html